

## REMARKS

### SUMMARY

Reconsideration of the application is respectfully requested.

Claims 1-52 are in the application. Claims 16, 17, 20, and 21 have been amended.

Applicants appreciatively acknowledge the Examiner's consideration and acceptance of the information disclosure statements (IDS) submitted on March 31, 2003.

### DRAWING OBJECTIONS

In "Drawings" on page 2 of the above-identified Office Action, Figure 10 allegedly illustrates "only that which is old" and has been objected to as requiring a legend, such as the designation "--Prior Art--" to which the Applicants respectfully traverse.

More specifically, Figure 10 clearly illustrates an exemplary computer system suitable for hosting web services development platform or "Enhanced Web Services Logic" of the present invention, which are not old nor should they be labeled as prior art. In particular, as recited in the specification of the instant application, "system memory 1004 and mass storage 1006 are employed *to store a working copy and a permanent copy of the programming instructions implementing the compiler and/or enhanced web services of the present invention.*" As a result, the Examiner's suggested "Prior Art" legend is not only unnecessary, but improper. Applicants would be willing to label the portion of "Enhanced Web Services Logic" in system memory 1004 and mass storage 1006 with specific numeric indicators, should the Examiner deem this further clarification necessary to further distinguish Figure 10.

### CLAIM REJECTIONS UNDER 35 U.S.C. § 101

In “Claim Rejections – 35 USC § 101” on page 2 of the above-identified Office Action, claims 16, 17, and 22 have been rejected as being directed to non-statutory subject matter. The Examiner’s suggested correction has been made.

No new matter is believed to be introduced by the amendment to claims 16, 17, 20, and 21.

### DOUBLE –PATENTING

In “Double Patenting” item 6 on page 4 of the above-identified Office Action, claims 1-52 have been *provisionally* rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1, 3-22, 24-30, 22, 35-38, 41-63, 66-75, 77-80, 83 and 84 of copending Application No. 10/082,807 (hereinafter ‘807) which was filed on the same day as the instant application and is owned by the same entity. Applicants respectfully traverse as ‘807 is explicitly drawn towards an annotation based development platform for **asynchronous** web services and not “stateful” web services as indicated in the instant application. More specifically, exemplary distinctions include that “stateful” web services would include a series of related web service requests, while “asynchronous” web services require coordination as they do not return immediate results.

When a double patenting rejection is appropriate, it must be based either on statutory grounds or nonstatutory grounds. The ground of rejection employed depends upon the relationship of the inventions being claimed. In the instant case, the above-identified Office Action indicates that a provisional nonstatutory obviousness-type double patenting rejection is being asserted. ‘807 is improperly identified as possessing conflicting claims, which are not identical, but are allegedly not patentably distinct from the claims of the instant application.

Obviousness-type double patenting should only reject application claims when the claimed subject matter is not patentably distinct from the subject matter claimed in a commonly owned patent when the issuance of a second patent would provide unjustified extension of the term of the right to exclude granted by a patent. See *Eli Lilly & Co. v. Barr Labs., Inc.*, 251 F.3d 955, 58 USPQ2d 1865 (Fed. Cir. 2001); *Ex parte Davis*, 56 USPQ2d 1434, 1435-36 (Bd. Pat. App. & Inter. 2000). In the instant case, the claims of the ‘807 are drawn to “an asynchronous web service” as recited in claim 1 of ‘807 and not a “stateful web service” as recited in claim 1 of the instant application. Similar language distinguishing the two applications persists throughout. Withdrawal of the provisional rejection is respectfully requested.

Should the Examiner determine that the distinction between stateful web services and asynchronous web services are “not patentably distinct” as asserted by the Applicants, the Applicants will, upon issuance of either ‘807 or the instant application, submit the necessary Terminal Disclaimer for the remaining application. Thus, there will be no double patenting.

In “Double Patenting” item 7 on page 5 of the above-identified Office Action, claims 1-4, 10-12, 15-17, 22-24, 26, 31, 32, 34, 36, 38, 39 41, 44-46 and 48 have been *provisionally* rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 1-8, 19-23, 26, 27, 31-36, 38, 39, 43, and 44 of copending Application No. 10/784,492 (hereinafter ‘492) which was filed after the instant application.

Like the previous item discussed above, Applicants respectfully traverse the provisional obviousness-type patenting rejection. Although, portions of the instant application may dominate the ‘492 application and vice versa, this domination in of itself does not mandate a double patenting rejection. ‘492 is specifically directed towards creating network-based software services using source code annotations. More specifically, ‘492 adds Figures 11-15 and claims “an enhanced compiler capable of analyzing the annotated source code, recognizing numerous types of meta-data annotationsm and generating a mechanism, which can include one or more of object files, software components and

deployment descriptors, to facilitate the deployment of the at least one service component.” Although the compiler of ‘492 may be included in at least one embodiment of the instant application as described by the method claims, this does not mean that the compiler described in ‘492 is not patentably distinct from the instant application. As such, the instant application may describe claims that dominate ‘492 without creating a double patenting issue. Thus, Applicants respectfully assert the subject matter of the ‘492 is “patentably distinct” from the instant application.

Clearly, domination and double patenting should not be confused. They are two separate issues. One application may "dominate" a second patent or application when the first application has a broad or generic claim which fully encompasses or reads on an invention defined in a narrower or more specific claim in another patent or application. MPEP § 804 (II.) clarifies that domination by itself, i.e., in the absence of statutory or nonstatutory double patenting grounds, cannot support a double patenting rejection. *In re Kaplan*, 789 F.2d 1574, 1577-78, 229 USPQ 678, 681 (Fed. Cir. 1986); and *In re Sarrett*, 327 F.2d 1005, 1014-15, 140 USPQ 474, 482 (CCPA 1964). In the instant case, some of the claims of the instant application may dominate ones of the copending ‘492 application, but if as in the instant case, the applications disclose and claim “patentably distinct” subject matter, such as overlapping distinct methods and systems, there need not necessarily be a double patenting type rejection made. In fact, the very public policy that creates the judicially created nonstatutory double patenting rejection to prevent an inventor from unjustified or improper timewise extension warrants that patentably distinct items not be refused their own patent. Withdrawal of the provisional rejection is respectfully requested.

Should the Examiner determine that ‘492 and the instant application are “not patentably distinct” as asserted by the Applicants, the Applicants will, upon issuance of either ‘492 or the instant application, submit the necessary Terminal Disclaimer for the remaining application. Thus, there will be no double patenting.

#### **CLAIM REJECTIONS UNDER 35 U.S.C.- § 102**

In "Claim Rejections – 35 USC § 102" item 9 on page 7 of the above-identified Office Action, claims 1, 4, 10, 11, 16, 17, 22, 38, 39, and 44 have been rejected as being fully anticipated by "Using WebLogic Enterprise JavaBeans" by BEA Systems (hereinafter **BEA WEBLOGIC**) under 35 U.S.C. § 102(b). Applicants respectfully traverse.

As will be explained below, it is believed that the claims were patentable over the cited art in their original form and, therefore, the claims have not been amended to overcome the references.

To anticipate the instant application **BEA WEBLOGIC** must teach every element of the claim as indicated in MPEP 2131, specifically "A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). In fact MPEP 2131 clarifies that not only must the claim be expressly or inherently described, but adds that "**The identical invention must be shown** in as complete detail as is contained in the ... claim." *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989)(emphasis added).

While the Applicants appreciate the demonstration in the above identified office action that the specification of the instant application includes enabling disclosure, the Enterprise JavaBeans, such as an entity bean, described in the specification of the instant application on page 13, do not in of themselves anticipate the claim language in "as complete detail as is contained in the ... claim" of the instant application. From the specification of the instant application, it is clear that the Enterprise JavaBeans may be automatically generated by the enhanced compiler 106 of the instant application after the compiler is exposed to a stateful annotation such as the "declarative annotations" indicated in claim 1 of the instant application. In contrast, **BEA WEBLOGIC** discloses "encapsulating business logic" in an Enterprise JavaBean, but also requires the developer to "write or obtain an EJB" and then advises the developer to "pay careful attention" to conform to the different responsibilities of the "EJB specification", "the EJB writer", and "EJB framework". Moreover, **BEA**

WEBLOGIC indicates the need for the developer “to examine packaged EJBs and determine if they follow specified relationships” via a utility called compliancechecker. Thus, under BEA WEBLOGIC all of the steps must be performed by the developer. Moreover, BEA WEBLOGIC clearly indicates that the business logic is **encapsulated** “inside a component framework” not “**exposed** as part of the stateful web service” as recited in claim 1 of the instant application.

In further contrast to BEA WEBLOGIC, the instant application only requires “a source code representation of at least **a portion** of web service logic” as recited in claim 1. Moreover, a compiler of the instant application can use one or more declarative annotations “to generate one or more persistent components to maintain conversational state related to the identified method.”

Moreover, in a specific application of Java to the claims at issue, BEA WEBLOGIC does not teach or suggest using an enhanced “compiler to generate” automatically one or more Enterprise JavaBeans™ as well as associated deployment descriptors to store and manage such conversational states based at least in part on “one or more declarative annotations” as recited in claim 1 of the instant application.

Clearly, BEA WEBLOGIC does not show, teach or suggest providing “a source code representation of at least a portion of web service logic” and exposing a portion of the logic “as part of the stateful web service” as recited in claim 1 of the instant application.

With respect to Claim 16, in addition to the reasons previously provided, BEA WEBLOGIC does not teach or suggest “parsing...source code to identify the presence of one or more declarative annotations” prior to “generating...one or more object codes...based at least in part upon the source code” and “generating ... meta-data based at least in part upon the one or more declarative annotations” as recited in claim 16.

Independent claims 38 contains similar language to claim 16.

It is accordingly believed to be clear that **BEA WEBLOGIC** neither shows nor suggests the features of claims 1, 16, or 38. Claims 1, 16, and 38 are, therefore, believed to be patentable over the art. The dependent claims 4, 10, 11, 17, 22, 39, and 44 are believed to be patentable as well because they all are ultimately dependent on claims 1, 16, or 38.

**CLAIM REJECTIONS UNDER 35 U.S.C. § 103**

In “Claim Rejections – 35 USC § 103” item 11 on page 11 of the above-identified final Office Action, claims 2 and 3 have been rejected as being unpatentable over **BEA WEBLOGIC** as applied to claims 1, 4, 10, 11, 16, 17, 22, 38, 39 and 44 above, and further in view of “EJBDoclet,” December 21, 2000, by dreamBean Software (hereinafter **DREAMBEAN**).

In “Claim Rejections – 35 USC § 103” item 12 on page 12 of the above-identified final Office Action, claims 5-8, 18, 23-25, 28-30, 40, 45-47, and 50-52 have been rejected as being unpatentable over **BEA WEBLOGIC** as applied to claims 1, 4, 10, 11, 16, 17, 22, 38, 39 and 44 above, and further in view of “Enterprise JavaBeans” by Monson-Haefel (hereinafter **MONSON-HAEFEL**).

In “Claim Rejections – 35 USC § 103” item 13 on page 17 of the above-identified Office Action, claims 9, 19 and 41 have been rejected as being unpatentable over **BEA WEBLOGIC** as applied to claims 1, 4, 10, 11, 16, 17, 22, 38, 39 and 44 above, and further in view of prior art of record U.S. Patent 5,812,768 to Pagé, et al. (hereinafter **PAGÉ**).

In “Claim Rejections – 35 USC § 103” item 14 on page 18 of the above-identified Office Action, claims 12, 31 and 34 have been rejected as being unpatentable over **BEA WEBLOGIC** as applied to claims 1, 4, 10, 11, 16, 17, 22, 38, 39 and 44 above, and further in view of U.S. Patent 6,230,160 to Chan, et al. (hereinafter **CHAN**).

In “Claim Rejections – 35 USC § 103” item 15 on page 19 of the above-identified Office Action, claims 13, 20 and 42 have been rejected as being unpatentable over BEA WEBLOGIC as applied to claim 1, 4, 10, 11, 16, 17, 22, 38, 39 and 44 above, and further in view of the “Background of the Invention” section appearing on pages 1-3 of the originally filed specification (hereinafter BOTI).

In “Claim Rejections – 35 USC § 103” item 16 on page 20 of the above-identified Office Action, claim 14 has been rejected as being unpatentable over BEA WEBLOGIC and BOTI as applied to claims 13, 20 and 42 above, and further in view of PAGÉ.

In “Claim Rejections – 35 USC § 103” item 17 on page 20 of the above-identified Office Action, claims 15, 21, 26, 27, 43, 48 and 49 have been rejected as being unpatentable over BEA WEBLOGIC and BOTI as applied to claims 13, 20 and 42 above, and further in view of MONSON-HAEFEL.

In “Claim Rejections – 35 USC § 103” item 18 on page 21 of the above-identified Office Action, claims 32 and 33 have been rejected as being unpatentable over BEA WEBLOGIC and CHAN as applied to claims 12, 31, and 34 above, and in further view of DREAMBEAN.

In “Claim Rejections – 35 USC § 103” item 19 on page 22 of the above-identified Office Action, claim 35 has been rejected as being unpatentable over BEA WEBLOGIC and CHAN as applied to claim 12, 31 and 34 above, and further in view of BOTI.

In “Claim Rejections – 35 USC § 103” item 20 on page 22 of the above-identified Office Action, claim 36 has been rejected as being unpatentable over BEA WEBLOGIC, CHAN and BOTI above, and in further view of PAGÉ.

In “Claim Rejections – 35 USC § 103” item 21 on page 22 of the above-identified Office Action, claim 37 has been rejected as being unpatentable over BEA WEBLOGIC,



CHAN, and BOTI as applied to claim 36 above, and further in view of MONSON-HAEFEL.

All of the rejections provided in “Claim Rejections – 35 USC § 103” of the above identified office action are based in pertinent part on BEA WEBLOGIC. As previously discussed, it is believed that the claims were patentable over BEA WEBLOGIC in their original form and, therefore, the claims have not been amended to overcome the references.

None of the secondary references, DREAMBEAN, MONSON-HAEFEL, PAGÉ, CHAN or BOTI make up for the previously discussed deficiencies of BEA WEBLOGIC. Namely, DREAMBEAN, MONSON-HAEFEL, PAGÉ, CHAN, BOTI, or acceptable combinations thereof do NOT show providing “a source code representation of at least a portion of web service logic” and exposing a portion of the logic “as part of the stateful web service” as recited in claim 1 of the instant application. Nor do the cited references teach or suggest using “declarative annotations” to cause an enhanced “compiler to generate ... persistent components” as recited in claim 1 of the instant application.

Furthermore, DREAMBEAN, MONSON-HAEFEL, PAGÉ, CHAN, BOTI, or acceptable combinations thereof do not teach or suggest “parsing...source code to identify the presence of one or more declarative annotations” prior to “generating...one or more object codes...based at least in part upon the source code” and “generating ... meta-data based at least in part upon the one or more declarative annotations” as recited in claim 16

Independent claims 23, 31, 38, and 45 contain similar language to claims 1 and 16.

It is accordingly believed to be clear that none of the references, whether taken alone or in any combination, either show or suggest the features of claims 1, 16, 23, 31, 38, or 45. The independent claims 1, 16, 23, 31, 38, and 45 are, therefore, believed to be patentable over the art. The dependent claims are believed to be patentable as well because they all are ultimately dependent on claims 1, 16, 23, 31, 38, or 45.

In reviewing the "Notice of References Cited" item U on page 1 of the above identified office action, applicants respectfully submit, that the reference published on September 30, 2004 is not available as a prior art reference against the instant application. Correction and/or clarification is respectfully requested.

If an extension of time is required, petition for extension is herewith made. Any extension fee associated therewith should be charged to the Deposit Account of Schwabe, Williamson and Wyatt, P.C., No. 50-0393.

### CONCLUSION

In view of the foregoing, reconsideration and allowance of claims 1-52 are solicited. As a result of the amendments made herein, Applicant submits that claims 1-52 are in condition for allowance. Accordingly, a Notice of Allowance is respectfully requested. If the Examiner has any questions concerning the present paper, the Examiner is kindly requested to contact the undersigned at (206) 407-1509. If any fees are due in connection with filing this paper, the Commissioner is authorized to charge the Deposit Account of Schwabe, Williamson and Wyatt, P.C., No. 50-0393.

Respectfully submitted,  
SCHWABE, WILLIAMSON & WYATT, P.C.

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